

REMARKS

Claims 8-10, 12 and 13 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Wei in combination with Chaudhari.

Claims 15-19 and 36-40 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Chaudhari with Misewich. Claims 14, 22, 23 25 and 26 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Wei in combination with Chaudhari and further in view of Song and Ogura.

Independent claims 8, 36 and 40 were previously amended to further clarify important differences relative to the prior art. The Office Action has relied upon the disclosure of Chaudhari and Misewich relating to the use of certain compounds of metals, namely, metal oxides such as superconducting ceramics. These typically contain oxygen (see Chaudhari at Col. 5 and 6 and Misewich at Col. 6, lines 44-59).

Claims 8, 36 and 40 were previously amended to recite pure metals, a composite of pure metals, doped pure metals, an alloy consisting of two or more pure metals, layers of pure metals and certain metal compounds, namely, a metal silicide, a metal salicide or a metal nitride. The recited materials do not, by

definition, contain oxygen. To further assist the Examiner regarding the scope of the present claims, attached are definitions of "nitride" and "silicide" from Grant & Hackh's Chemical Dictionary, McGraw-Hill (1987). A nitride is defined as "a binary compound of nitrogen and a metal." Thus nitrides do not contain oxygen. A silicide is generally defined as a binary compound including silicon and a more electropositive element, typically a metal. A metal silicide also does not contain oxygen. A salicide is defined as a self-aligned silicide. One skilled in the art would readily appreciate that metal salicides do not contain oxygen. A portion of the Handbook of Semiconductor Manufacturing Technology, CRC Press (2008) describing the use of metal salicides in the fabrication of integrated circuit devices is attached.

The cited references do not disclose or suggest a think film channel material using the recited materials. New claims 41-44 are included for consideration.

Applicants believe that with these claim amendments, that they distinguish clearly from the cited references, as they do not disclose or suggest the recited channel materials.

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The Examiner is encouraged to telephone the undersigned attorney to discuss any matter that would expedite allowance of the present application. Reconsideration is respectfully requested.

Respectfully submitted,

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